

Appendix I: Alignment of SEQ ID NO: 17 (CRF, 10/20/2009) and I48378

<!--StartFragment-->RESULT 1

I48378

hairless protein - mouse

C;Species: Mus musculus (house mouse)

C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 09-Jul-2004

C;Accession: I48378

R;Cachon-Gonzalez, M.B.; Fenner, S.; Coffin, J.M.; Moran, C.; Best, S.; Stoye, J.P.

Proc. Natl. Acad. Sci. U.S.A. 91, 7717-7721, 1994

A;Title: Structure and expression of the hairless gene of mice.

A;Reference number: I48378; MUID:94329587; PMID:8052649

A;Accession: I48378

A;Status: preliminary; translated from GB/EMBL/DDBJ

A;Molecule type: mRNA

A;Residues: 1-1182 <RES>

A;Cross-references: UNIPROT:Q61645; UNIPARC:UPI000028C24; EMBL:Z32675; NID:g531706; P

Query Match 99.4%; Score 3682; DB 2; Length 1182;
 Best Local Similarity 99.4%;
 Matches 689; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 VTQCQSCVQAAGEGVVLGHSQKSRRSPLEEKQLEEDSSATSEGGGGPGPEASLNKGL 60
 |||||||

Db 490 VTQCQSCVQAAGEGVVLGHSQKSRRSPLEEKQLEEDSSATSEGGGGPGPEASLNKGL 549
 |||||||

Qy 61 AKHLLSGLGDRLCRLRKEREALAWAQREGQGPAMTEDSPGIPHCCSRCHHGLFNTHWRC 120
 |||||||

Db 550 AKHLLSGLGDRLCRLRKEREALAWAQREGQGPAMTEDSPGIPHCCSRCHHGLFNTHWRC 609
 |||||||

Qy 121 SHCSHRLCVACGRIAGAGKNREKTGSQEQTDDCAQEAGHAACSLILTFVSSQALAEELS 180
 |||||||

Db 610 SHCSHRLCVACGRIAGAGKNREKTGSQEQTDDCAQEAGHAACSLILTFVSSQALAEELS 669
 |||||||

Qy 181 TVMHQWAKFDIRGHCFQVDARVWAPGDGGQQKEPTEKTPPTPQPSCNGDSNRTKDIKE 240
 |||||||

Db 670 TVMHQWAKFDIRGHCFQVDARVWAPGDGGQQKEPTEKTPPTPQPSCNGDSNRTKDIKE 729
 |||||||

Qy 241 ETPDSTESPAEDGAGRSPLPCPSLCELLASTAVKLCLGHDRHMAFAPVTPALPSDDRIT 300
 |||||||

Db 730 ETPDSTESPAEDGAGRSPLPCPSLCELLASTAVKLCLGHDRHMAFAPVTPALPSDDRIT 789
 |||||||

Qy 301 NILDSIIAQVVERKIQEKALGPGLRAGSGLRKGLSPLSPVRTRLSPPGALLWLQEPRPK 360
 |||||||

Db 790 NILDSIIAQVVERKIQEKALGPGLRAGSGLRKGLSPLSPVRTRLSPPGALLWLQEPRPK 849
 |||||||

Qy 361 HGFHLFQEHWROQGPVVLVSGIQKTLRLSLWGMEALGTLGGQVQSLTALGPPQPTNLDSTA 420
 |||||||

Db 850 HGFHLFQEHWROQGPVVLVSGIQKTLRLSLWGMEALGTLGGQVQSLTALGPPQPTNLDSTA 909
 |||||||

Qy 421 FWEGFSHPETRKLDEGSVLLHRTLGDKDASRVQNLVSSLPEYCAHQGKLNLASYLP 480
 |||||||

Db 910 FWEGFSHPETRKLDEGSVLLHRTLGDKDASRVQNLASSLPEYCAHQGKLNLASYLP 969
 |||||||

Qy 481 LGTLHPLEPQLWAAYGVNSHRGHLGTKNLCVEVSDLISILVHAEAQLPWYRAQKDFLS 540
 |||||||

Db 970 LGTLHPLEPQLWAAYGVNSHRGHLGTKNLCVEVSDLISILVHAEAQLPWYRAQKDFLS 1029
 |||||||

Qy 541 GLDGEGLWSPGSQTSTVWHVRAQDAQRIRRFQMVCPAGAGTLEPGAPGSCYLDAGLRR 600
 |||||||

Db 1030 GLDGEGLWSPGSQTSTVWHVRAQDAQRIRRFQMVCPAGAGTLEPGAPGSCYLDAGLRR 1089
 |||||||

Qy 601 RLREEWGVSCWTLLQAPGEAVLVPAGAPHQVQGLVSTISVTQHFLSPETSALSAQLCHQG 660
 |||||||

Appendix B

Db 1090 RLREEWGVSCWTLLQAPGEAVLVPAGAPHQVQGLVSTISVTQHFLSPETSALSAQLYHQG 1149
Qy 661 ASLPPDHMLYAQM DRAVFQAVKAAVGALQEAK 693
Db 1150 ASLPPDHMLYAQM DRAVFQAVKAAVGALQEAK 1182
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